

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	(flip-flop flip with flop flipflop) same (repeater regenerator) same (detect\$3 select\$3) and (loop-back loopback loop with back) and (test\$3 diagnos\$7)	US-PGPUB; USPAT	OR	ON	2005/05/09 09:48
L2	3	L1 and (repeater activ\$7 (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)) same state with "0" same state with "1"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:34
L3	3	L2 and (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:48
L4	2	L3 and "0" same (downstream downlink down\$7 activ\$7 open\$5) same "1" same (upstream uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:05
L5	1	L3 and "0" same (downstream downlink down\$7 activ\$7 open\$5) same "1" same (upstream uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3) and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:56
L6	1	4 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:56
L7	0	L3 and "0" with (downstream downlink down\$7 activ\$7 open\$5) same "1" with (upstream uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:57
L8	0	L3 and downstream with (downlink down\$7 activ\$7 open\$5) same upstream with (uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:59
L9	0	L3 and downstream with (downlink down\$7 activ\$7 open\$5 "0") same upstream with (uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:58

L10	1	1 and "0" with (downstream downlink down\$7 activ\$7 open\$5) same "1" with (upstream uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:04
L11	0	1 and "0" with (downstream downlink down\$7 activ\$7 open\$5) same "1" with (upstream uplink up\$5 in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7 clos\$3) and (overhead over-head over adj head)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:04
L12	1	4 and (overhead over-head over adj head)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:05
L13	1	4 and (overhead over-head over adj head eoc)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 10:07
S1	0	TS101135 same "G.991.1"	USPAT	OR	ON	2005/05/04 17:47
S2	0	TS101135 and "G.991.1"	US-PGPUB; USPAT	OR	ON	2005/05/04 17:47
S3	1	"101135" and "G.991.1"	US-PGPUB; USPAT	OR	ON	2005/05/04 17:47
S4	18	"G.991.1"	US-PGPUB; USPAT	OR	ON	2005/05/04 17:47
S5	3	"G.991.1"	USPAT	OR	ON	2005/05/04 17:47
S6	0	"G.991.1" and repeat\$3	USPAT	OR	ON	2005/05/04 17:47
S7	0	"G.991.1" and re?generat\$3	USPAT	OR	ON	2005/05/04 17:48
S8	0	"G.991.1" and test\$3 with loop	USPAT	OR	ON	2005/05/04 17:48
S9	2	"G.991.1" and loop	USPAT	OR	ON	2005/05/04 17:54
S10	1	"G.991.1" and state	USPAT	OR	ON	2005/05/04 17:56
S11	12	"G.991.1" and state	US-PGPUB; USPAT	OR	ON	2005/05/04 17:57
S12	7	"G.991.1" and state and loop	US-PGPUB; USPAT	OR	ON	2005/05/04 17:57
S13	6	S12 not ericsson	US-PGPUB; USPAT	OR	ON	2005/05/04 17:57
S14	6	S12 not ericsson.as.	US-PGPUB; USPAT	OR	ON	2005/05/04 18:13

S15	0	S14 and (flip-flop flip same flop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 18:11
S16	5	S14 and switch\$3	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 18:11
S17	50	?DSL same loop and (flip-flop flip with flop) and repeat\$3	US-PGPUB; USPAT	OR	ON	2005/05/04 18:13
S18	32	(@ad<"20001114" @rlad<"20001112" @rlan<"20001114" @rlad<"20001114") and S17	US-PGPUB; USPAT	OR	ON	2005/05/04 18:14
S19	32	S18 not ericsson.as.	US-PGPUB; USPAT	OR	ON	2005/05/04 18:16
S20	18	S19 and repeater	US-PGPUB; USPAT	OR	ON	2005/05/04 18:22
S21	123	repeater with (flip-flop flip\$4 with flop\$4)	US-PGPUB; USPAT	OR	ON	2005/05/04 18:23
S22	6	repeater with (flip-flop flip\$4 with flop\$4) same loop\$4 with back	US-PGPUB; USPAT	OR	ON	2005/05/04 18:28
S23	1	repeater same (flip-flop flip\$4 with flop\$4) same loop\$4 with back and (?DSL digital with subscrib\$3 with line)	US-PGPUB; USPAT	OR	ON	2005/05/04 18:26
S24	1	(repeater regenerator re-generator) and (flip-flop flip\$4 with flop\$4) and loop\$4 with back and EOC and ?DSL	US-PGPUB; USPAT	OR	ON	2005/05/04 18:29
S25	5	(repeater regenerator re-generator) and loop\$4 with back and EOC and ?DSL	US-PGPUB; USPAT	OR	ON	2005/05/04 18:33
S26	1	HDSL and activat\$3 and (de-activat\$3 deactivat\$3) and (repeater regenerator re-generator) and loop\$4 and EOC	USPAT	OR	ON	2005/05/06 11:20
S27	0	HDSL and activat\$3 and (de-activat\$3 deactivat\$3) and (repeater regenerator re-generator relay\$3) and loop\$4 same back and EOC	USPAT	OR	ON	2005/05/04 18:35
S28	1	HDSL and activat\$3 and (de-activat\$3 deactivat\$3) and (repeater regenerator re-generator relay\$3) and loop\$4 same back and EOC	US-PGPUB; USPAT	OR	ON	2005/05/04 18:36

S29	6	HDSL and activat\$3 and (repeater regenerator re-generator relay\$3) and loop\$4 same back and EOC	US-PGPUB; USPAT	OR	ON	2005/05/04 18:39
S30	1	HDSL and activat\$3 and (repeater regenerator re-generator relay\$3) and loop\$4 same back and EOC and (flip-flop flip\$4 same flop\$4)	US-PGPUB; USPAT	OR	ON	2005/05/04 18:36
S31	2	(repeater and hdsl and loop\$4).ab.	US-PGPUB; USPAT	OR	ON	2005/05/04 18:40
S32	2	(repeater and ?dsl and loop\$4).ab. and hdsl	US-PGPUB; USPAT	OR	ON	2005/05/04 18:42
S33	6	repeater and loop\$4 and hdsl and "0" with downstream and "1" with upstream	US-PGPUB; USPAT	OR	ON	2005/05/04 18:50
S34	1	repeater same optim\$7 and loop\$4 and hdsl and downstream and upstream and (no without) with (EOC overhead adj channel)	US-PGPUB; USPAT	OR	ON	2005/05/04 18:51
S35	3	repeater same optim\$7 and loop\$4 and hdsl and downstream and upstream	US-PGPUB; USPAT	OR	ON	2005/05/04 19:32
S36	0	(repeater eoc) and loop\$4 same on same off and activat\$3 and hdsl and downstream and upstream	USPAT	OR	ON	2005/05/04 19:33
S37	0	(repeater eoc) and loop\$4 and on same off and activat\$3 and hdsl and downstream and upstream	USPAT	OR	ON	2005/05/04 19:34
S38	0	(repeater eoc) and loop\$4 and on same off and activat\$3 and hdsl	USPAT	OR	ON	2005/05/04 19:33
S39	0	(repeater eoc) and loop\$4 and on same off and activat\$3 and ?dsl	USPAT	OR	ON	2005/05/04 19:33
S40	0	(repeater eoc) and loop\$4 and on same off and activat\$3 and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/04 19:34
S41	0	(repeater eoc) and loop\$4 and on same off and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/04 19:34
S42	33	(repeater eoc) and loop\$4 and on and off and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/04 19:41
S43	26	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/04 19:40
S44	1	(repeater eoc) and loop\$4 and on and off and activat\$3 and hdsl and (downstream downlink) and (upstream uplink)	USPAT	OR	ON	2005/05/04 19:36
S45	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and hdsl and (downstream downlink) and (upstream uplink) and deactivat\$3	USPAT	OR	ON	2005/05/04 19:36

S46	1	(repeater eoc) and loop\$4 and on and off and activat\$3 and hds1 and (downstream downlink) and (upstream uplink) and repeat\$3	USPAT	OR	ON	2005/05/04 19:38
S47	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and hds1 and (downstream downlink) and (upstream uplink) and repeat\$3	US-PGPUB	OR	ON	2005/05/04 19:49
S48	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and hds1 and (down with stream down with link) and (up with stream up with link)	US-PGPUB	OR	ON	2005/05/04 19:39
S49	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and hds1 and (down with stream down with link) and (up with stream up with link)	USPAT	OR	ON	2005/05/04 19:39
S50	26	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl and repeater	US-PGPUB; USPAT	OR	ON	2005/05/04 19:44
S51	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl and repeater same (on flip) same (off flop)	US-PGPUB; USPAT	OR	ON	2005/05/04 19:40
S52	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl and repeater and (no without) with eoc	US-PGPUB; USPAT	OR	ON	2005/05/04 19:40
S53	0	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl and (deactivat\$3 de-activat\$3)	US-PGPUB; USPAT	OR	ON	2005/05/04 19:41
S54	19	(repeater eoc) and loop\$4 and on and off and ?dsl	USPAT	OR	ON	2005/05/04 19:43
S55	0	S54 and repeater.ab.	USPAT	OR	ON	2005/05/04 19:41
S56	0	S50 not S54	USPAT	OR	ON	2005/05/04 19:43
S57	10	(repeater eoc) and loop\$4 and on and off and activat\$3 and ?dsl and repeater	US-PGPUB	OR	ON	2005/05/04 19:44
S58	10	S57 not vertical.as.	US-PGPUB	OR	ON	2005/05/04 19:44
S59	0	repeater same activat\$3 with request\$3 same (wait\$3 pend\$3) with activat\$3 same (inactiv\$5 de-activat\$5 deactivat\$5) and hds1 and (transmit\$4 connect\$3) with (frame packet)	US-PGPUB	OR	ON	2005/05/04 19:52
S60	0	repeater same activat\$3 with request\$3 same (wait\$3 pend\$3) with activat\$3 same (inactiv\$5 de-activat\$5 deactivat\$5) and hds1 and (transmit\$4 connect\$3) with (frame packet)	USPAT	OR	ON	2005/05/04 19:52

S61	0	repeater same activat\$3 with request\$3 same (wait\$3 pend\$3) with activat\$3 same (inactiv\$5 de-activat\$5 deactivat\$5) and ?dsl and (transmit\$4 connect\$3) with (frame packet)	USPAT	OR	ON	2005/05/04 19:52
S62	0	operator with repeater same hdsi	USPAT	OR	ON	2005/05/04 19:53
S63	1	(operator provider) same repeater same hdsi	USPAT	OR	ON	2005/05/04 19:55
S64	0	switch with repeater same hdsi	USPAT	OR	ON	2005/05/04 19:55
S65	4	switch with repeater and hdsi	USPAT	OR	ON	2005/05/04 19:56
S66	4	switch with repeater and hdsi and (activat\$3 connect\$3 on xon) and (\$2activat\$3 \$3connect\$3 off xoff)	USPAT	OR	ON	2005/05/04 20:01
S67	2	switch with repeater and hdsi and (activat\$3 connect\$3 on xon) and (\$2activat\$3 \$3connect\$3 off xoff) and loop\$4	USPAT	OR	ON	2005/05/04 19:58
S68	7	repeater.ab. and hdsi and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3)	USPAT	OR	ON	2005/05/04 20:04
S69	7	repeater.ab. and hdsi and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3) and repeater	USPAT	OR	ON	2005/05/04 20:13
S70	0	repeater.ab. and ?dsl and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3) and repeater same activ\$7 same (de-activ\$7 inactiv\$7 deactiv\$7)	USPAT	OR	ON	2005/05/04 20:15
S71	37	repeater.ab. and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3) and repeater same activ\$7 same (de-activ\$7 inactiv\$7 deactiv\$7)	USPAT	OR	ON	2005/05/04 20:15
S72	1	repeater.ab. and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3) and repeater same activ\$7 same (de-activ\$7 inactiv\$7 deactiv\$7) and digital with subscrib\$3 with line	USPAT	OR	ON	2005/05/04 20:17

S73	5	repeater.ab. and loop and (xon on activat\$3 connect\$3) and (xoff off \$3activat\$3 \$3connect\$3) and repeater and activ\$7 and (de-activ\$7 inactiv\$7 deactiv\$7) and (digital with subscrib\$3 with line ?dsl) and (CO central near5 office)	USPAT	OR	ON	2005/05/04 20:21
S74	0	(repeater and (flip-flop flip and flop)).ab. and ?dsl	USPAT	OR	ON	2005/05/04 20:21
S75	0	(repeater and (flip-flop flip and flop))same ?dsl	USPAT	OR	ON	2005/05/04 20:21
S76	0	(repeater and (flip-flop flip and flop)) same ?dsl	USPAT	OR	ON	2005/05/04 20:22
S77	20	(repeater and (flip-flop flip and flop)) and ?dsl	USPAT	OR	ON	2005/05/04 20:28
S78	18	(repeater and (flip-flop flip and flop)) and ?dsl and loop	USPAT	OR	ON	2005/05/04 20:22
S79	11	S78 and central with office and (customer subscriber)	USPAT	OR	ON	2005/05/04 20:23
S80	10	S78 and central with office and (customer subscriber) and remot\$3	USPAT	OR	ON	2005/05/04 20:24
S81	10	S78 and central with office and (customer subscriber) and remot\$3 with control\$4	USPAT	OR	ON	2005/05/04 20:24
S82	6	S78 and central with office and (customer subscriber) and remot\$3 with control\$4 same loop	USPAT	OR	ON	2005/05/04 20:24
S83	6	S78 and central with office and (customer subscriber) and remot\$3 with control\$4 with loop	USPAT	OR	ON	2005/05/04 20:25
S89	2	(repeater same (flip-flop flip and flop)) and ?dsl	USPAT	OR	ON	2005/05/04 20:30
S90	0	(repeater same (flip-flop flip and flop)) and hdsi	USPAT	OR	ON	2005/05/04 20:32
S92	0	repeater and (flip-flop flip and flop) same hdsi	USPAT	OR	ON	2005/05/04 20:32
S93	22	repeater and activat\$3 and (loop with back loopback) and hdsi	USPAT	OR	ON	2005/05/04 20:33
S94	20	repeater and activat\$3 and (loop with back loopback) with control\$4 and hdsi	USPAT	OR	ON	2005/05/04 20:33
S95	0	repeater and activat\$3 and (loop with back loopback) with control\$4 same hdsi	USPAT	OR	ON	2005/05/04 20:33

S96	0	repeater and activat\$3 and (loop with back loopback) with control\$4 same ?dsl	USPAT	OR	ON	2005/05/04 20:34
S97	0	repeater and (loop with back loopback) with control\$4 same ?dsl	USPAT	OR	ON	2005/05/04 20:34
S98	17	repeater and (loop with back loopback) same ?dsl	USPAT	OR	ON	2005/05/04 20:34
S99	0	repeater and (loop with back loopback) same ?dsl same activ\$7	USPAT	OR	ON	2005/05/04 20:34
S100	14	repeater and (loop with back loopback) same ?dsl and activ\$7	USPAT	OR	ON	2005/05/04 20:35
S101	0	S100 and repeater.ab.	USPAT	OR	ON	2005/05/04 20:35
S102	0	S100 not interdigital.as.	USPAT	OR	ON	2005/05/04 20:36
S103	3	S98 not S100	USPAT	OR	ON	2005/05/04 20:36
S106	2	(loop with back loopback) with (flip-flop flip with flop) same repeater	USPAT	OR	ON	2005/05/04 20:48
S107	0	(loop with back loopback) same (flip-flop flip with flop) same repeater and ?dsl	USPAT	OR	ON	2005/05/04 20:48
S108	1	(loop with back loopback) same (flip-flop flip with flop) same repeater and ?dsl	US-PGPUB	OR	ON	2005/05/04 20:49
S109	0	(loop with back loopback) and (flip-flop flip with flop) same repeater and ?dsl	USPAT	OR	ON	2005/05/04 20:49
S110	0	(loop with back loopback) same (flip-flop flip with flop) and repeater and ?dsl	USPAT	OR	ON	2005/05/04 20:49
S111	51	(loop with back loopback) same (flip-flop flip with flop) and repeater	USPAT	OR	ON	2005/05/04 20:49
S112	0	(loop with back loopback) same (flip-flop flip with flop) and repeater and dslam	USPAT	OR	ON	2005/05/04 20:50
S113	4	(loop with back loopback) same (flip-flop flip with flop) same repeater	USPAT	OR	ON	2005/05/04 20:52
S114	2	(loop with back loopback) same (flip-flop flip with flop) same repeater and state with ("0" "1")	USPAT	OR	ON	2005/05/04 20:54



S11 5	1	(loop with back loopback) with control\$4 same (flip-flop flip with flop) same repeater and state with ("0" "1")	USPAT	OR	ON	2005/05/04 20:54
S11 7	0	repeater with (loopback loop adj back) with hds1	USPAT	OR	ON	2005/05/04 20:58
S11 8	0	repeater with (loopback loop adj back) same hds1	USPAT	OR	ON	2005/05/04 20:58
S11 9	1	repeater with (loopback loop adj back) with control\$4 and hds1	USPAT	OR	ON	2005/05/04 20:59
S12 0	0	repeater same (loopback loop adj back) with control\$4 same hds1	USPAT	OR	ON	2005/05/04 20:59
S12 1	1	repeater same (loopback loop adj back) with control\$4 and hds1	USPAT	OR	ON	2005/05/04 20:59
S12 2	2	repeater same hds1 and (loopback loop adj back) with control\$4	USPAT	OR	ON	2005/05/04 21:00
S12 3	1	repeater and hds12 and (loopback loop adj back) with control\$4	USPAT	OR	ON	2005/05/04 21:01
S12 4	1	repeater and hds12 and (loopback loop adj back)	USPAT	OR	ON	2005/05/04 21:01
S12 5	1	repeater.ab. and (loopback loop adj back) and hds1	USPAT	OR	ON	2005/05/04 21:01
S12 6	0	(370/224,249.ccls. 375/213,221. ccls.) and test\$3 same (loop\$3 adj back loopback loop-back) and ?dsl and repeater and (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/06 11:23
S12 7	0	(370/224,249.ccls. 375/213,221. ccls.) and (loop\$3 adj back loopback loop-back) and ?dsl and repeater and (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/06 11:23
S12 8	2	(370/224,249.ccls. 375/213,221. ccls.) and (loop\$3 adj back loopback loop-back) same repeater and ?dsl	USPAT	OR	ON	2005/05/06 11:39
S12 9	0	(370/224,249.ccls. 375/213,221. ccls.) and (loop\$3 adj back loopback loop-back) same repeater with select\$3 and ?dsl	USPAT	OR	ON	2005/05/06 11:40
S13 0	0	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same repeater with select\$3 and ?dsl	USPAT	OR	ON	2005/05/06 11:40
S13 1	1	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same repeater with select\$3 and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 11:43

S13 2	1	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same repeater with (select\$3 choos\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 11:42
S13 3	1	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same (repeater extender) with (select\$3 choos\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:06
S13 4	1	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same (repeater extender) same (select\$3 choos\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:06
S13 5	0	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same (repeater extender) same (select\$3 choos\$3) and ?dsl	USPAT	OR	ON	2005/05/06 15:06
S13 6	5	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) and (repeater extender) same (select\$3 choos\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:16
S13 7	5	S136 not S135	US-PGPUB; USPAT	OR	ON	2005/05/06 15:07
S13 8	4	S136 not S134	US-PGPUB; USPAT	OR	ON	2005/05/06 15:08
S13 9	0	S138 and (loop\$3 adj back loopback loop-back test\$3 diagnos\$5).ab.	US-PGPUB; USPAT	OR	ON	2005/05/06 15:08
S14 0	2	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) and (repeater extender) same (alternat\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:18
S14 2	1	("370"/\$.ccls. "375"/\$.ccls.) and (loop\$3 adj back loopback loop-back) same (repeater extender) same (alternat\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:17
S14 3	0	(loop\$3 adj back loopback loop-back) same (repeater extender) same (alternat\$3) and ?dsl	USPAT	OR	ON	2005/05/06 15:19
S14 4	1	(loop\$3 adj back loopback loop-back) same (repeater extender) same (alternat\$3) and ?dsl	US-PGPUB; USPAT	OR	ON	2005/05/06 15:18

S14 7	2	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4)	USPAT	OR	ON	2005/05/06 15:26
S14 8	0	out-of-band with (loopback loop-back loop with back) with control same (repeater ?dsl)	USPAT	OR	ON	2005/05/06 15:24
S14 9	0	out-of-band with (loopback loop-back loop with back) with control same (repeater ?dsl)	US-PGPUB	OR	ON	2005/05/06 15:24
S15 0	0	(loopback loop-back loop with back) with control same repeater same ?dsl and symmetric\$3	USPAT	OR	ON	2005/05/06 15:24
S15 1	0	(loopback loop-back loop with back) with control same repeater and ?dsl and symmetric\$3	USPAT	OR	ON	2005/05/06 15:25
S15 2	0	(loopback loop-back loop with back) with control same repeater and ?dsl and symmetric\$3	US-PGPUB; USPAT	OR	ON	2005/05/06 15:25
S15 3	0	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4) and copper with (line wire)	USPAT	OR	ON	2005/05/06 15:26
S15 4	0	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4) and copper	USPAT	OR	ON	2005/05/06 15:27
S15 6	0	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4) and "1.5" with (MB mega\$)	USPAT	OR	ON	2005/05/06 15:28
S15 7	1	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4) and (MB mega\$)	USPAT	OR	ON	2005/05/06 15:28
S15 8	1	(repeater extender) and (loop\$3 adj back loopback loop-back) same (alternat\$3) and ?dsl and digital with (subscrib\$3 us\$4) and (MB mega\$) and high with speed	USPAT	OR	ON	2005/05/06 15:29
S15 9	1	S147 and high with speed	USPAT	OR	ON	2005/05/06 15:30
S16 0	2	S147 and digital with subscriber	USPAT	OR	ON	2005/05/06 15:40
S16 1	0	S147 and digital with subscriber and flip\$	USPAT	OR	ON	2005/05/06 15:41

S16 2	0	S147 and digital with subscriber and flop\$	USPAT	OR	ON	2005/05/06 15:41
S16 3	0	loopback same repeater same (flip\$)	USPAT	OR	ON	2005/05/06 15:41
S16 4	5	(loopback loop-back loop with back) same repeater same (flip\$)	USPAT	OR	ON	2005/05/06 15:42
S16 5	4	(loopback loop-back loop with back) same repeater same (flip\$ with flop\$ flip-flop flipflop)	USPAT	OR	ON	2005/05/06 15:45
S16 6	0	S165 and (?dsl digital with (subscrib\$3 user customer))	USPAT	OR	ON	2005/05/06 15:44
S16 7	0	loopback same repeater same hdsi	USPAT	OR	ON	2005/05/06 15:45
S16 8	1	(loopback loop-back loop with back) same repeater same hdsi	USPAT	OR	ON	2005/05/06 15:47
S16 9	1	(loopback loop-back loop with back) same repeater same hdsi and repeater and (loopback loop-back loop with back)	USPAT	OR	ON	2005/05/06 15:50
S17 6	36	(loopback loop-back loop with back repeater) with (flip\$ with flop\$ flip-flop flipflop) and repeater and (loopback loop-back loop with back) and activ\$7 and inactiv\$7 and (test\$3 diagnost\$)	USPAT	OR	ON	2005/05/06 15:59
S17 7	36	(loopback loop-back loop with back repeater) with (flip\$ with flop\$ flip-flop flipflop) and repeater and (loopback loop-back loop with back) and activ\$7 and inactiv\$7 and (test\$3 diagnost\$) and state	USPAT	OR	ON	2005/05/06 16:00
S17 8	0	S177 and ?dsl	USPAT	OR	ON	2005/05/06 16:00
S17 9	1	S177 and digital with subscrib\$3 with (loop line)	USPAT	OR	ON	2005/05/06 17:43
S18 0	36	(loopback loop-back loop with back repeater) with (flip\$ with flop\$ flip-flop flipflop) and repeater and (loopback loop-back loop with back) and activ\$7 and inactiv\$7 and (test\$3 diagnost\$) and state	USPAT	OR	ON	2005/05/08 13:27
S18 1	1	S180 and digital with subscrib\$3 with (loop line)	USPAT	OR	ON	2005/05/06 17:43
S18 2	1	S181 and provider same customer	USPAT	OR	ON	2005/05/06 18:34

S19 4	0	S193 and symmetric\$	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 11:42
S19 5	0	S193 and asymmetric\$	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 11:42
S19 6	0	S193 and \$3symmetric\$	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 11:42
S19 7	0	S193 and (loop-back loopback loop with back) with test	USPAT	OR	ON	2005/05/08 11:55
S19 8	0	S193 and (loop-back loopback loop with back) same (test\$3 diagnos\$7)	USPAT	OR	ON	2005/05/08 11:56
S19 9	0	S193 and (loop-back loopback loop with back) and (test\$3 diagnos\$7)	USPAT	OR	ON	2005/05/08 11:56
S20 0	0	S193 and (loop-back loopback loop with back)	USPAT	OR	ON	2005/05/08 11:56
S20 1	0	S193 and (test\$3 diagnos\$5)	USPAT	OR	ON	2005/05/08 11:57
S20 2	1	S193 and (repeater regenerator)	USPAT	OR	ON	2005/05/08 11:57
S20 3	16	(flip-flop flip with flop flipflop) same (repeater regenerator) same (detect\$3 select\$3) and (loop-back loopback loop with back) and (test\$3 diagnos\$7)	US-PGPUB; USPAT	OR	ON	2005/05/08 12:01
S20 4	5	(370/224,249.ccls. 375/213,221. ccls.) and S203 and (@ad<"20001114" @rlad<"20001114" @rlan<"20001114" @rlpn<"20001114")	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:05
S20 5	0	S204 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:04
S20 6	0	S204 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:03

S20 7	2	S204 and activ\$7	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:04
S20 8	0	S207 and ?dsl	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:04
S20 9	1	S203 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:25
S21 0	0	S203 and ?dsl	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:05
S21 1	0	S203 and \$2dsl	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:05
S21 2	16	S203 and (@ad<"20001114" @rlad<"20001114" @rlan<"20001114" @rlpn<"20001114")	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:05
S21 3	0	S209 and ("DS1" "T1")	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:07
S21 4	1	S203 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7) and (free with bit bit with overhead with channel)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:26
S21 5	1	S203 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7) and free with bit and bit with overhead with channel	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:12
S21 6	1	S215 and repeater with flip-flop	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:20

S21 7	1	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) same hdsi	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:21
S21 8	0	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) same hdsi	USPAT	OR	ON	2005/05/08 12:21
S21 9	3	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) and hdsi	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:22
S22 0	1	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) and hdsi	USPAT	OR	ON	2005/05/08 12:21
S22 1	1	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) and hdsi and (loop-back loopback loop with back) with (test diagnos\$5)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:41
S22 2	0	S221 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:25
S22 3	0	S221 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:25
S22 4	1	S221 and activ\$7	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:26
S22 5	1	S224 and ?dsi	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:26
S22 6	0	S224 and state with "0"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:26
S22 7	1	S203 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7) and (free with bit bit with overhead with channel) and state with "0"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:27

S22 8	1	S203 and activ\$7 and (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7) and (free with bit bit with overhead with channel) and state with "0" and state with "1"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:27
S22 9	3	S203 and (repeater activ\$7 (in-activ\$7 inactiv\$7 deactiv\$7 de-activ\$7)) same state with "0" same state with "1"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 14:18
S23 0	3	S229 and (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/09 09:45
S23 1	0	S229 and (flip-flop flip with flop flipflop) and hds1	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:34
S23 2	0	S229 and (flip-flop flip with flop flipflop) and ?dsl	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:34
S23 3	0	(embed\$3 adj3 overhead adj3 channel eoc) same (repeater regenerator) and hds1 and (loop-back loopback loop with back) with (test diagnos\$5) and (repeater regenerator) same (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:43
S23 4	0	(embed\$3 adj3 overhead adj3 channel eoc) and (repeater regenerator) and hds1 and (loop-back loopback loop with back) with (test diagnos\$5) and (repeater regenerator) same (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:43
S23 5	1	(embed\$3 adj3 overhead adj3 channel eoc) and (repeater regenerator) and hds1 and (loop-back loopback loop with back) and (repeater regenerator) same (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:43
S23 6	1	(embed\$3 adj3 overhead adj3 channel eoc) and (repeater regenerator) and hds1 and (loop-back loopback loop with back) and (repeater regenerator) and (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 12:43



S23 7	1	(embed\$3 adj3 overhead adj3 channel eoc) and (repeater regenerator) and hds1 and (loop-back loopback loop with back loop-up) and (repeater regenerator) and (flip-flop flip with flop flipflop)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 13:01
S24 5	1	S229 and flip-flop with repeater and repeater same state with "0" same state with "1" and loopback	USPAT	OR	ON	2005/05/08 13:05
S24 6	0	S245 and eoc with bit	USPAT	OR	ON	2005/05/08 13:03
S24 7	0	S245 and overhead with channel	USPAT	OR	ON	2005/05/08 13:04
S24 8	1	S245 and (optic\$3 fiber)	USPAT	OR	ON	2005/05/08 13:05
S24 9	0	S248 and over with head	USPAT	OR	ON	2005/05/08 13:04
S25 0	0	S248 and embedd\$3	USPAT	OR	ON	2005/05/08 13:04
S25 1	0	S248 and embed\$4	USPAT	OR	ON	2005/05/08 13:05
S25 2	0	S245 and free with bit	USPAT	OR	ON	2005/05/08 13:05
S25 3	0	S229 and flip-flop with repeater and repeater same state with "0" same state with "1" and loopback same bit	USPAT	OR	ON	2005/05/08 13:05
S25 4	1	S229 and flip-flop with repeater and repeater same state with "0" same state with "1" and loopback and (flip-flop repeater "0" "1") with (bit flag)	USPAT	OR	ON	2005/05/08 13:06
S25 5	1	S229 and flip-flop with repeater and repeater same state with "0" same state with "1" and loopback and (flip-flop repeater "0" "1") with bit	USPAT	OR	ON	2005/05/08 13:06
S25 6	0	(flip-flop flip with flop flipflop) with repeater same hds1	USPAT	OR	ON	2005/05/08 13:14
S25 7	0	(flip-flop flip with flop flipflop) same repeater same hds1	USPAT	OR	ON	2005/05/08 13:14
S25 8	0	(flip-flop flip with flop flipflop) with repeater and hds1	USPAT	OR	ON	2005/05/08 13:14
S25 9	0	(flip-flop flip with flop flipflop) with repeater same ?dsl	USPAT	OR	ON	2005/05/08 13:14
S26 0	0	(flip-flop flip with flop flipflop) with repeater with ?dsl	USPAT	OR	ON	2005/05/08 13:14

S26 1	0	(flip-flop flip with flop flipflop) same repeater with ?dsl	USPAT	OR	ON	2005/05/08 13:15
S26 2	0	(flip-flop flip with flop flipflop) same repeater same ?dsl	USPAT	OR	ON	2005/05/08 13:14
S26 3	1	(flip-flop flip with flop flipflop) same repeater same hdsi	US-PGPUB; USPAT	OR	ON	2005/05/08 13:15
S26 4	0	(flip-flop flip with flop flipflop) same repeater and hdsi	USPAT	OR	ON	2005/05/08 13:15
S26 5	0	(flip-flop flip with flop flipflop) same (repeater regenerator) and hdsi	USPAT	OR	ON	2005/05/08 13:15
S26 6	10	(flip-flop flip with flop flipflop) and repeater and hdsi	USPAT	OR	ON	2005/05/08 13:16
S26 7	0	(flip-flop flip with flop flipflop) and repeater and hdsi and (loop-back loopback loop with back) with test	USPAT	OR	ON	2005/05/08 13:16
S26 8	6	(flip-flop flip with flop flipflop) and repeater and hdsi and (loop-back loopback loop with back)	USPAT	OR	ON	2005/05/08 13:20
S26 9	0	S268 and (loop-back loop with back loopback).ab.	USPAT	OR	ON	2005/05/08 13:17
S27 0	0	S268 and (test\$3 diagnos\$7).ab.	USPAT	OR	ON	2005/05/08 13:17
S27 4	0	(eoc overhead) with bit same repeater same (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/08 13:25
S27 5	2	(eoc overhead) same bit same repeater same (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/08 13:25
S27 6	0	(eoc overhead) same (loopback loop-back loop with back) with bit and repeater same (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/08 13:26
S27 7	0	(eoc overhead) with bit same (loopback loop-back loop with back) and repeater same (flip-flop flip with flop flipflop)	USPAT	OR	ON	2005/05/08 13:26
S29 0	6	(loop-back loopback loop with back) same (test\$3 diagnos\$7) same (repeater selector) and "0" with (downstream downlink down) and "1" with (upstream uplink up)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2005/05/08 14:05
S29 1	0	(loop-back loopback loop with back) same (test\$3 diagnos\$7) same (repeater selector) and "0" with (downstream downlink down) and "1" with (upstream uplink up) and ?dsl	USPAT	OR	ON	2005/05/08 14:05

S29 2	4	(loop-back loopback loop with back) same (test\$3 diagnos\$7) same (repeater selector) and "0" with (downstream downlink down) and "1" with (upstream uplink up)	USPAT	OR	ON	2005/05/08 14:08
S29 3	0	(loop-back loopback loop with back) same (test\$3 diagnos\$7) same (repeater selector) and "0" with (downstream downlink down) and "1" with (upstream uplink up) and activ\$7 and (deactiv\$7 de-activ\$7 in-activ\$7 inactiv\$7) and ?dsl	USPAT	OR	ON	2005/05/08 14:09
S29 4	2	(loop-back loopback loop with back) same (test\$3 diagnos\$7) same (repeater selector) and "0" with (downstream downlink down) and "1" with (upstream uplink up) and (activ\$7 open\$5) and (deactiv\$7 de-activ\$7 in-activ\$7 inactiv\$7 clos\$4)	USPAT	OR	ON	2005/05/08 14:10